

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/018536

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-16 as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 2 as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 5, 7 received by this Authority on 07.10.2005
- nos.* 1, 3, 6, 9, 10 received by this Authority on 10.01.2006
- ☒ the drawings:
- sheets fig. 1-8 as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☒ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☒ the claims, nos. 4, 8
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/018536

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims <u>2, 3, 5, 7</u>	YES
		Claims <u>1, 6, 9, 10</u>	NO
	Inventive step (IS)	Claims <u>2, 3</u>	YES
		Claims <u>1, 5-7, 9, 10</u>	NO
	Industrial applicability (IA)	Claims <u>1-3, 5-7, 9, 10</u>	YES
		Claims _____	NO
2.	Citations and explanations (Rule 70.7)		
	<p>Document 1: JP 2003-174485 A (Sony Corp.), 20 June 2003, entire text, all drawings & WO 2003/049392 A1</p> <p>Document 2: JP 11-220762 A (NTT Mobile Communications Network Inc.), 10 August 1999, entire text, all drawings & US 6512748 B1</p> <p>Document 3: WO 2003/063465 A1 (Aviom, Inc.), 31 July 2003, claim 1; page 13, line 26 to page 15, line 10; and page 17, lines 7 to 18 & JP 2005-516485 A & US 2003/0161324 A1 & US 2003/0161347 A1 & US 2003/0161354 A1 & US 2003/0165163 A1 & US 2003/0167425 A1 & EP 1476947 A1</p> <p>Document 3 is newly cited in the present international preliminary report on patentability.</p> <p>Claims 1, 6, 9 and 10</p> <p>Document 3, which is newly cited in the present international preliminary report on patentability, discloses a transmission device for applying an error correction algorithm (i.e., "generating encoded data by adding redundant bits") to only the 11 high-priority bits</p>		

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

(i.e., the "prescribed set of important bits") among the 24 bits that constitute the audio or video information and then transmitting the resulting audio or video information; therein, document 3 also discloses a reception device for receiving the information in question.

Claims 5 and 7

Document 2 discloses a technique for modulating and demodulating by means of a multi-value FSK system.

Such being the case, it is thought that a person skilled in the art could employ the multi-value FSK system disclosed in document 2 as the signal transceiver in the invention disclosed in document 3, as appropriate.

Claims 2 and 3

Documents 1 and 3 do not disclose or suggest the feature wherein redundant bits are added to prescribed sets of important bits so as to increase the Euclidean distance between the sets of data to which the redundant bits are added, or the feature wherein redundant bits are added to prescribed sets of important bits so as to generate a gray code.